United States Department of Agriculture
National Agricultural Statistics Service
Michigan Field Office
Cooperating with Michigan Department of Agriculture and
Michigan State University Cooperative Extension Service

Michigan Crop Weather

MI-CW2110 May 24, 2010

Warm Weather Welcomed

Four days were suitable for fieldwork during the week ending May 23, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.01 inches in the eastern Upper Peninsula to 1.57 inches in the southeast Lower Peninsula. Average temperatures ranged from 2 degree above normal in the southwest Lower Peninsula to 8 degrees above normal in the eastern Upper Peninsula. Dry conditions remain in the northern part of the state. Some fires broke out early in the week burning more than 5000 acres in Crawford and Kalkaska County. Calving and Lambing was nearly complete. "It warmed up this week, and the crops benefited greatly from this," said one reporter in the west central region.

Field Crops

Wet conditions slowed field work across much of the State. **Corn** planting was limited by wet soil across much of the State but progress advanced where soils dried out. Several counties have had no fieldwork for a full month due to wet soil. Many fields with low spots still contain some standing water and some crops were under water. Frost damaged corn recovered in most areas and was growing well. **Soybean** planting resumed where soil condition allowed. Some soybeans were replanted from frost kill. **Drybean** planting got underway on a limited basis and will expand in the coming week. **Oat** and **barley** stands were in very good shape. Planting was nearing completion. **Wheat** progressed well in most areas. Yellowed and flattened wheat were reported where rainfall was excessive. **Alfalfa** growth advanced and harvest got underway where conditions allowed. Many areas were too wet to begin harvest even though alfalfa was tall. **Sugarbeet** stands were well established. Growth was well ahead of normal with good tap roots.

Fruit

The freezes on Sunday, May 9, and Monday, May 10, caused significant damage in grapes and stone fruit in the southwest. In the west central, frost damage was seen across all fruit crops ranging from 30 percent in good areas and up to 90 percent in less favorable sites. **Apples** ranged from petal fall in the northwest to fruit size 10 to 12 mm in diameter in the southwest. European red mite numbers were building throughout the state. **Peaches** ranged from shuck split in the west central and southeast, to fruit size 10 to 12 mm in diameter in the southwest. Peach leaf curl symptoms were increasing in the southeast and southwest. European **plums** were at shuck split in the northwest, and fruit was 8 to 9 mm in diameter in the southeast. **Strawberries** ranged from full bloom to thimble-sized fruit in the southeast and southwest. **Sweet cherries** were at fruit size 7 to 8 mm in diameter in the northwest, and fruit size 12 to 14 mm in diameter with pit hardening underway in the southwest. **Tart cherries** were at shuck split to 5 mm fruit in the northwest and the west central, and fruit size 10 to 12 mm in diameter in the southwest. **Pears** were at fruit size 10 to 12 mm in diameter in the southeast with fruit size 13 to 15 mm in diameter in the southwest. Barlett pears have no fruit in the northwest and most areas around the state have suffered frost/freeze damage in pears. **Blueberries** were at full bloom in the southeast and Grand Rapids area and were still blooming with early varieties past petal fall with small green fruit in the southwest. **Grapes** were at late bud burst in the northwest; and shoots were 8 to 12 inches long in the southeast.

Vegetables

Wet weather continued in southeast Michigan during the past week. In the southeast, first **onion** seeded fields were established with early fields showing first or second leaf with good stands. Muck fields with early planted onions showed areas of poor emergence or seeding death due to heavy rainfall. **Carrots** were showing first true leaf. For **lettuce**, seeding and transplanting continued. In the Grand Rapids area, **celery** transplanting slowed, but expected to increase with warmer weather. Processing **squash** was planted. Also on the muck, **radishes**, and **red beets** looked healthy, but **cabbage** and **sweet corn** planting slowed. **Snap beans** grew well under sheet fabric row covers. In southwest Michigan, **peas** were in flower. A**sparagus** harvest recovered from the previous week's frost and by the weekend growers were having trouble keeping up with the growth. No insect or disease problems were reported. **Tomatoes**, **zucchini**, **yellow squash** and **cucumbers** under protective low tunnels grew well. Tomatoes grew through tunnels, so growers opened them up to allow the plants to grow through. Cucumbers under tunnels were at their third to fourth true leaf. Unprotected **plantings of peppers, eggplant,** tomatoes**, watermelon** and **cantaloup** were set out.

Soil moisture for week ending 05/23/10

Stratum	Very short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil	2	5	58	35
Subsoil	1	11	66	22

Crop condition for week ending 05/23/10

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
All Hay	3	7	19	57	14
Barley	1	3	53	38	5
Corn	1	10	33	48	8
Oats	0	3	23	62	12
Pasture	2	5	24	52	17
Winter Wheat	1	4	14	58	23

Crop progress for week ending 05/23/10

Crop	This week	Last week	Last year	5-year average
	Percent	*Percent*	*Percent*	*Percent*
All hay, first cutting	10	0	3	4
Asparagus, harvested	46	NA	23	38
Barley, planted	98	89	93	90
Barley, emerged	92	73	61	66
Corn, planted	85	81	72	85
Corn, emerged	63	45	24	46
Dry beans, planted	2	NA	3	2
Oats, emerged	95	88	73	85
Potatoes, planted	79	64	70	70
Potatoes, emerged	27	14	23	31
Soybeans, planted	50	36	39	59
Soybeans, emerged	22	9	7	16
Winter wheat, headed	8	0	1	6

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Michigan Weather Summary for Week Ending 05/23/10 [1]

Station	Temperature			Cumulative growing degree days [2]			Precipitation					
											Normal	
	Maximum	Minimum	Departure from normal	2010	2009	Normal	This week	Last two weeks	Last four weeks	Since April 1	Since April 1	For month
Ironwood	83	38		317	247		0.03	0.59	2.23	2.67		
Marquette	86	39		300	190		0.03	0.59	2.23	2.67		
Stephenson	84	35		374	279		0.01	0.22	1.57	2.18		
Western UP	87	31	6	321	222	231	0.03	0.48	2.17	2.60	4.59	3.37
Cornell	79	39		321	235		0.01	0.13	1.24	1.62		
Sault St Marie	82	43		318	175		0.00	0.22	0.99	2.15		
Eastern UP	82	35	8	300	185	152	0.01	0.12	1.17	2.08	4.57	3.01
Beulah	90	42		383	304		0.02	0.77	3.11	6.30		
Lake City	83	36		361	308		0.36	1.07	3.45	6.10		
Old Mission	88	38		373	261		0.22	0.66	2.60	5.19		
Pellston	89	31		372	259		0.02	0.34	1.72	2.76		
Northwest	90	31	5	355	271	276	0.17	0.63	2.67	4.96	4.54	2.61
Alpena	84	34		345	286		0.33	0.91	2.85	4.83		
Houghton Lake	84	36		385	304		0.31	0.93	2.02	4.01		
Rogers City	87	37		319	284		0.07	0.61	2.56	4.55		
Northeast	87	34	6	366	293	258	0.30	0.87	2.46	4.42	4.55	2.76
Fremont	85	42		413	328		0.26	1.53	2.60	4.66		
Hart	86	40		379	313		0.28	0.94	1.69	4.24		
Muskegon	86	43		409	338		0.26	1.76	2.91	4.96		
West Central	86	38	5	395	334	318	0.35	1.36	2.45	4.74	5.13	2.67
Alma	85	41		436	336		0.75	2.66	3.71	7.48		
Big Rapids	83	39		393	340		0.46	2.73	4.43	7.15		
Central	85	39	3	412	335	351	0.42	2.30	3.50	6.14	5.15	2.79
Bad Axe	84	39		404	317		0.05	1.56	2.71	4.13		
Pigeon	85	44		407	309		0.39	1.84	2.93	4.64		
Saginaw	85	46		448	341		0.28	1.97	2.94	5.10		
Standish	84	38		402	322		0.43	1.94	3.33	5.56		
East Central	85	38	5	393	320	333	0.28	1.94	3.20	5.45	4.54	2.63
Fennville	89	42		441	362		0.67	3.12	4.52	6.28		
Grand Rapids	86	44		480	401		0.52	2.86	3.91	7.70		
Holland	88	45		485	404		0.69	4.18	5.91	8.59		
South Bend, IN	86	43		496	435		1.17	3.38	5.65	8.00		
Watervliet	86	44		471	389		0.67	2.61	4.03	6.50		
Southwest	89	38	2	473	399	380	0.62	2.65	4.04	6.52	5.69	3.01
Belding	84	39		420	336		0.38	2.13	3.87	6.41		
Coldwater	83	42		487	414		2.02	3.04	5.29	7.41		
Lansing	83	43		468	366		0.65	2.62	4.41	6.85		
South Central	86	39	2	452	380	380	0.89	2.67	4.50	6.97	5.39	2.92
Detroit	81	46		509	435		1.26	2.64	4.57	6.82		
Flint	83	43		463	379		0.61	2.11	4.14	7.46		
Romeo	84	45		439	371		0.13	1.61	5.30	7.45		
Tipton	83	44		468	414		2.81	4.60	6.97	9.59		
Toledo, OH	84	47		537	449		1.03	1.94	3.83	8.52		
Southeast	85	38	2	471	410	360	1.57	3.22	5.66	8.15	5.38	2.85

[1] Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

[2] Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.